MSG 218B - RED FD15 PAYLOAD SUMMARY

FREESTAR

During the orbit 208 MEIDEX observation a considerable dust plume in the Atlantic was observed. Initial results of airborne measurements from the Mediterranean orbit 188 pass also indicates a considerable dust plume was present.

The SOLCON team has completed a preliminary analysis that indicates the radiometer instrument aboard SOHO has not experienced any significant ageing or drift. Comparisons with other radiometers in space is ongoing.

LPT completed 4 Ground Network passes from 12/07:30 MET to 13/01:00 MET.

CVX will be conducting an additional pass through the critical temperature from 13/21:00 MET to 14/19:00 MET.

SPACEHAB

SPACEHAB subsystems are performing well.

Com2Plex: The operation of the third loop is progressing according to the pre-programmed timeline until MET 014/15:15. So far, the data look excellent.

Biopack: CONNECT has been transferred to the −10 °C PTCU. STROMA has been fixed and placed in its final stowage in the +5 C PTCU. The facility is shut down for the final phase of the flight. In spite of the difficulties encountered during the mission, it is expected that most PIs will be satisfied with a good scientific return.

ARMS: With the exception of PS1's activity today, all of the final late-mission block of ARMS activities have been completed. Once the data collection sessions have been brought to an end, MS1 will stow the ARMS hardware and the ergometer for entry.

ERISTO: The crew will perform the final feed during tomorrow's Blue shift. The experiment will be terminated about 12 hours before landing.

FAST continues to operate nominally. The increasing surfactant concentration in the FAST fluid cells has lowered the surface tension of the hexane droplets to such a level that they are now only weakly attached to the capillary.

MSTRS: The experiment has completed another successful run overnight.

Biotube: The BIOTUBE team appreciates the crew's efforts and will be downlinking some interesting images of root curvature.